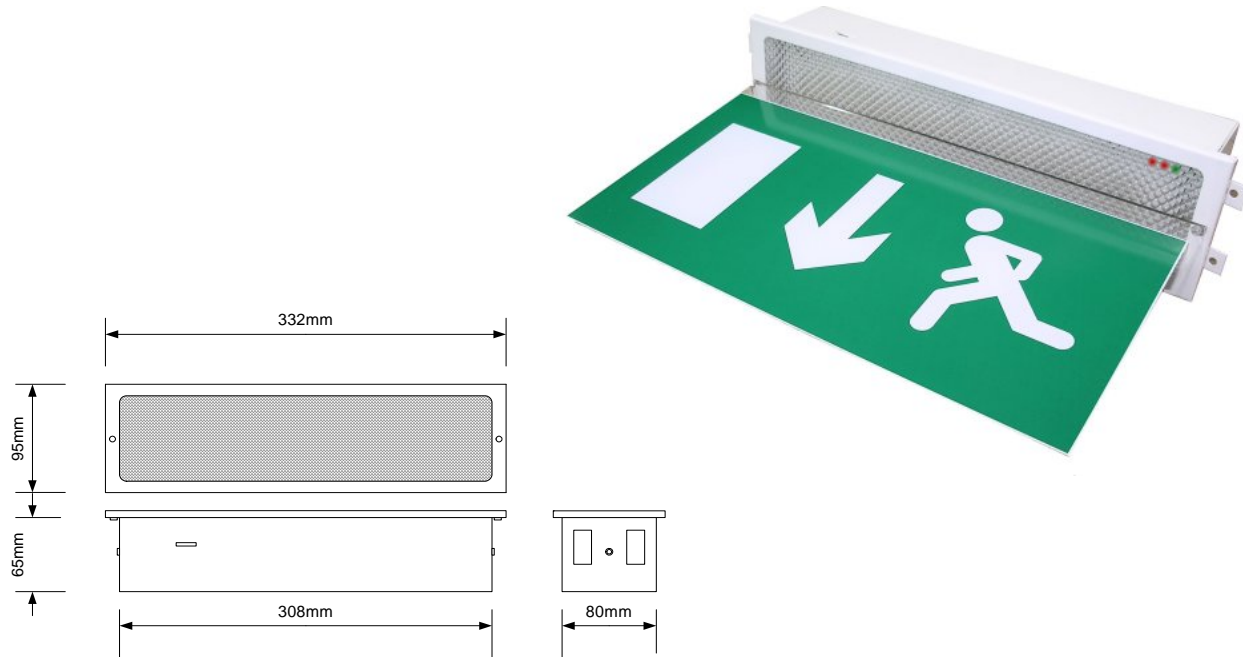


# MPRL Range

This new MPRL is a decorative, illuminated escape route and direction sign light. Using high illumination white LED's, in a small compact shell, with self test facility, it is virtually maintenance free. It is designed to be recess mounted in ceilings allowing emergency lighting and escape route lighting to be provided in a low profile. Comprising of a stove enamelled sheet steel base fitted with a clear prismatic diffuser retained by a white bezel, suitable for use on escape routes (850 degrees C Hot-wire test, defined by ICEL). The diffuser is attached by captive screws and provides a seal to IP20. The gear tray is hinged for ease of installation and is easily removable to allow first fix of the base. Complying with the requirements of BS5433 and suitable for incorporation into an emergency lighting system complying with BS5266: 1988 the MPRL Light is available in RAL 9010 or special finishes, such as gold and chrome.



## Typical Applications

- ▶ Hotels
- ▶ Corridors
- ▶ Art Galleries
- ▶ Offices

## Features

- ▶ Chrome and Gold finishes available
- ▶ Self Test 3hr Duration
- ▶ Hinged gear tray
- ▶ Recess mount
- ▶ White high output LED's
- ▶ IP20

Order No	Mode	Lamp Type	Battery	Duration	Weight	Output	Dimensions
MPRL3M	Maintained with Self Test	32 Led's	3.6V 4Ah	3 Hours	1.5Kg	100 Lumens	332mm x 95mm x 65mm
MPRL3NM	Non Maintained with Self Test	32 Led's	3.6V 4Ah	3 Hours	1.5Kg	100 Lumens	

# Intelligent Self Test

## Technical characteristics

- ▶ Self testing luminaires
- ▶ Automatic tests for:  
(Charging - Lamps - Duration)
- ▶ 3 indication LEDs  
(Charge - Lamp - Duration)
- ▶ Batteries Ni-Cd 3,6V
- ▶ Deep discharge and over charge battery protection
- ▶ Construction material : Aluminum, Polycarbonate
- ▶ Operation temperature range : 0 to 50 °C
- ▶ Humidity : up to 95% relative humidity
- ▶ Produced in accordance with : EN60598-1, EN60598-2-22

The intelligent luminaires are suitable for modern buildings where a number of reliable luminaires with a minimum maintenance cost are required. A very sophisticated high technology microprocessor monitors and measures all basic operation circuitry essential for the good operation of the luminaires.

These luminaires also conduct a battery quality test when they are installed for the first time. Automatically and without any interventions, three tests are carried out. A continuous battery test, a lamp test twice a month and a half-yearly full duration test.

They have 3 indication LEDs used to show the luminaires operational status.

## Operation

**Automatic tests** are conducted only after a full 24 hour charge cycle. Automatic test execution is postponed if, for any reason the 24 hours charge cycle is interrupted. All LEDs blink in a slow rate, 24 hours prior to the execution of an automatic test and stop after the test has been conducted in order to show the results of the test.

### 1. Operation Test

This test is conducted every 15 days and consists of a full lamp ignition test along with all the accompanying circuitry.

### 2. Duration Test

This test is conducted every 180 days. It consists of a battery duration test and an operation test.

